



MOBOTIX: Security that Sets the Standard

Video Security Solutions for Education & Science

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Langmeil, September 2020 - Security at educational institutions is a highly sensitive issue. No matter whether kindergarten, school, university or private learning institute: concentrated learning requires a harmonious environment to focus on the essentials. High-end video technology can make a decisive contribution to protecting students from any kind of disturbance.

In the past, schools and universities have repeatedly been the target of attacks. The primary goal is to prevent "unauthorized access" to the school grounds and to allow only authorized visitors. Further potential danger exists internally: Vandalism, bullying and violence by or among students are issues that may arise sometimes in school life. Of course, early smoke and fire detection are also important components for a safe learning and living environment. In addition, the COVID-19 pandemic has brought new health protection requirements into focus. Video technology can provide reliable support in all these scenarios. "MOBOTIX has video security solutions for the education & science sector in its portfolio that make school, learning and studying safe. These solutions are already in use around the world and have proven themselves to be very effective," says Thomas Lausten, CEO of MOBOTIX AG.

Contemporary protection for people, buildings and equipment

With its unique product portfolio consisting of hardware, software, services and intelligent partner solutions, MOBOTIX can precisely map the requirements of various industries. The latest technologies can be used to protect people, facilities and infrastructure in schools, universities or private educational institutions.

Access and entry control

Video technology from MOBOTIX helps to prevent unauthorized access and regulate access to buildings or individual areas in a targeted manner. In addition, the door can be opened completely contactlessly, for example using RFID chip cards, access codes and identification of authorized persons based on their face. An overview in real time is possible and also helps in emergency situations - e.g. during evacuations - to find out whether and which persons are where.

At entrances and parking lots, vehicles can be automatically registered via the license plate and compared with databases. The identifying video technology can thus efficiently restrict access to authorized vehicles or persons.



MOBOTIX in use against vandalism and for fire prevention

Using the new open video system platform MOBOTIX 7, numerous camera apps can be used for intelligent video analysis. Among other things, the applications can register, for example, ownerless luggage, stolen furnishings, can track down suspicious persons, count people, recognize overcrowding situations or alert when one or more virtual blocking lines are crossed for burglary protection. The robustness of the MOBOTIX hardware also protects the video technology of MOBOTIX itself against vandalism.

The use of thermal imaging cameras is also recommended in special areas. For example, an e-mail can be sent to the building maintenance department if the system, which reacts to invisible heat radiation, detects increasing overheating in an IT server room before a dangerous fire breaks out.

Securing outdoor areas: Campus and perimeter protection

For outdoor applications, the MOBOTIX M16 and M73 offer several simultaneous sensors in a robust, weatherproof design. The wide range of interchangeable sensor modules can be configured to meet the exact requirements of the educational institution in question - the aim is to detect dangers in time and thus thwart them: For example, a floodlight could automatically shine if an unauthorized person enters the campus outside of opening hours. If desired, this could also be combined with an acoustic warning.

Cybersecure MOBOTIX video technology combines efficiency with cost-effectiveness

While the communication infrastructure in the education sector is constantly improving, there are usually few resources (personnel, know-how) available for the maintenance of the technology. For this reason, the systems used must be stable and, if possible, maintenance-free and also protected against physical and digital attacks. MOBOTIX video systems are Made in Germany. With an above-average "Mean Time Between Failures" (MTBF) of more than 80,000 hours, the follow-up costs of a MOBOTIX system are reduced to a minimum. Resources for technology support can be saved. Due to their durability and robustness, they are predestined for use in education and science.

"Particularly in the educational sector, the security of pupils, students, teaching staff, but also of equipment and facilities is of particular importance - real and digital. MOBOTIX has optimal solutions for this purpose that are robust, reliable and cybersecure. Solutions that help to make our educational institutions more convenient and secure," concludes Thomas Lausten.

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About MOBOTIX AG

MOBOTIX is a leading manufacturer of intelligent IP video systems in premium quality and sets standards in innovative camera technologies and decentralized security solutions with the highest level of cyber security. MOBOTIX was founded in 1999 and is headquartered in Langmeil, Germany. The company relies on its own research and development as well as its own production "Made in Germany". Customers around the world trust in the durability and reliability of MOBOTIX hardware and software. The flexibility of the solutions, the integrated intelligence and the highest level of data security are appreciated in many industries. MOBOTIX products and solutions support customers in areas such as industrial manufacturing, retail, logistics and healthcare. With strong and international technology partnerships, the company is using artificial intelligence and deep learning modules to expand its universal platform and new applications in a wide range of sectors.

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